

Title (en)

METHOD AND DEVICE FOR PREVENTING A COLLISION WHEN PLANNING A PATH FOR PARKING A VEHICLE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KOLLISIONSVORHINDERUNG BEI DER PLANUNG EINER BAHN ZUM EINPARKEN EINES FAHRZEUGS

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT D'ÉVITER UNE COLLISION LORS DE LA PLANIFICATION D'UNE TRAJECTOIRE À SUIVRE POUR GARER UN VÉHICULE

Publication

EP 2212715 A1 20100804 (DE)

Application

EP 08851940 A 20081105

Priority

- EP 2008009296 W 20081105
- DE 102007055389 A 20071120

Abstract (en)

[origin: WO2009065492A1] Disclosed are a method and a device for preventing a collision when planning a path (08) for parking a vehicle (09) in a lateral parking space (10). In a first step of said method, an envelope curve (12) is laid at a predefined distance around at least one object (11) that delimits the parking space (10) and is detected using a surveying process. In a second step, it is then determined for a calculated path (08) which boundary line (13) a side (14) of the vehicle (09) that faces the object (11) would describe if the path (08) was followed. In a third step, a comparison is then made whether the boundary line (13) touches or intersects the envelope curve (12). In a fourth step, the path (08) is modified such that the boundary line (13) no longer touches or intersects the envelope curve (12). Also disclosed are a driving assistance device for carrying out said method as well as a computer program product which incites a microprocessor comprising associated storage means to carry out the method.

IPC 8 full level

G01S 13/931 (2020.01); **B62D 15/02** (2006.01)

CPC (source: EP)

B62D 15/028 (2013.01); **B62D 15/0285** (2013.01); **G01S 13/931** (2013.01); **G01S 2013/9314** (2013.01); **G01S 2013/9317** (2013.01); **G01S 2013/9318** (2020.01)

Citation (search report)

See references of WO 2009065492A1

Citation (examination)

- DE 102005027165 A1 20061214 - BOSCH GMBH ROBERT [DE]
- DE 10331235 A1 20050203 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007055389 A1 20090528; EP 2212715 A1 20100804; WO 2009065492 A1 20090528

DOCDB simple family (application)

DE 102007055389 A 20071120; EP 08851940 A 20081105; EP 2008009296 W 20081105